

Figure 1
King and Jeffries, PH-7171

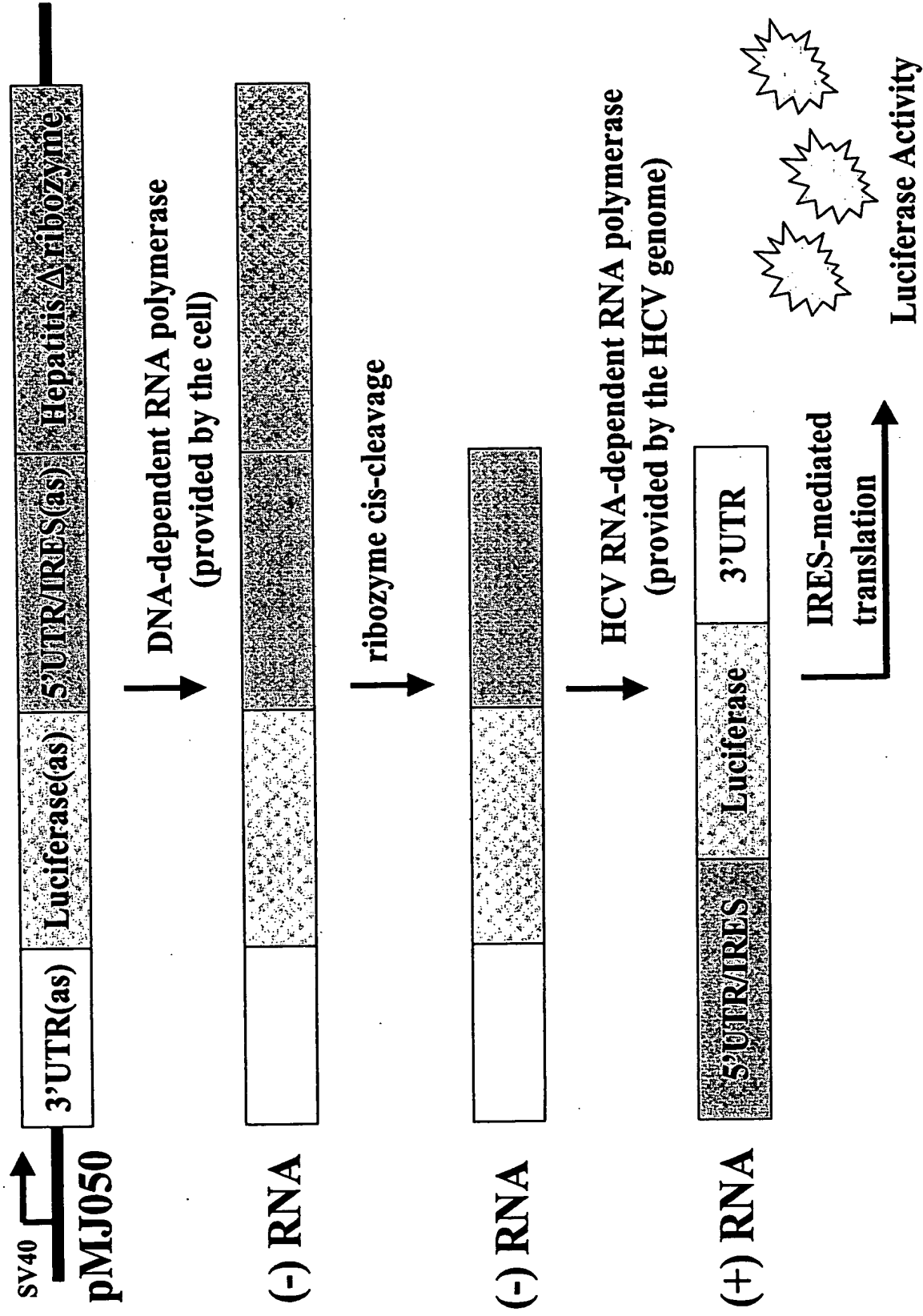
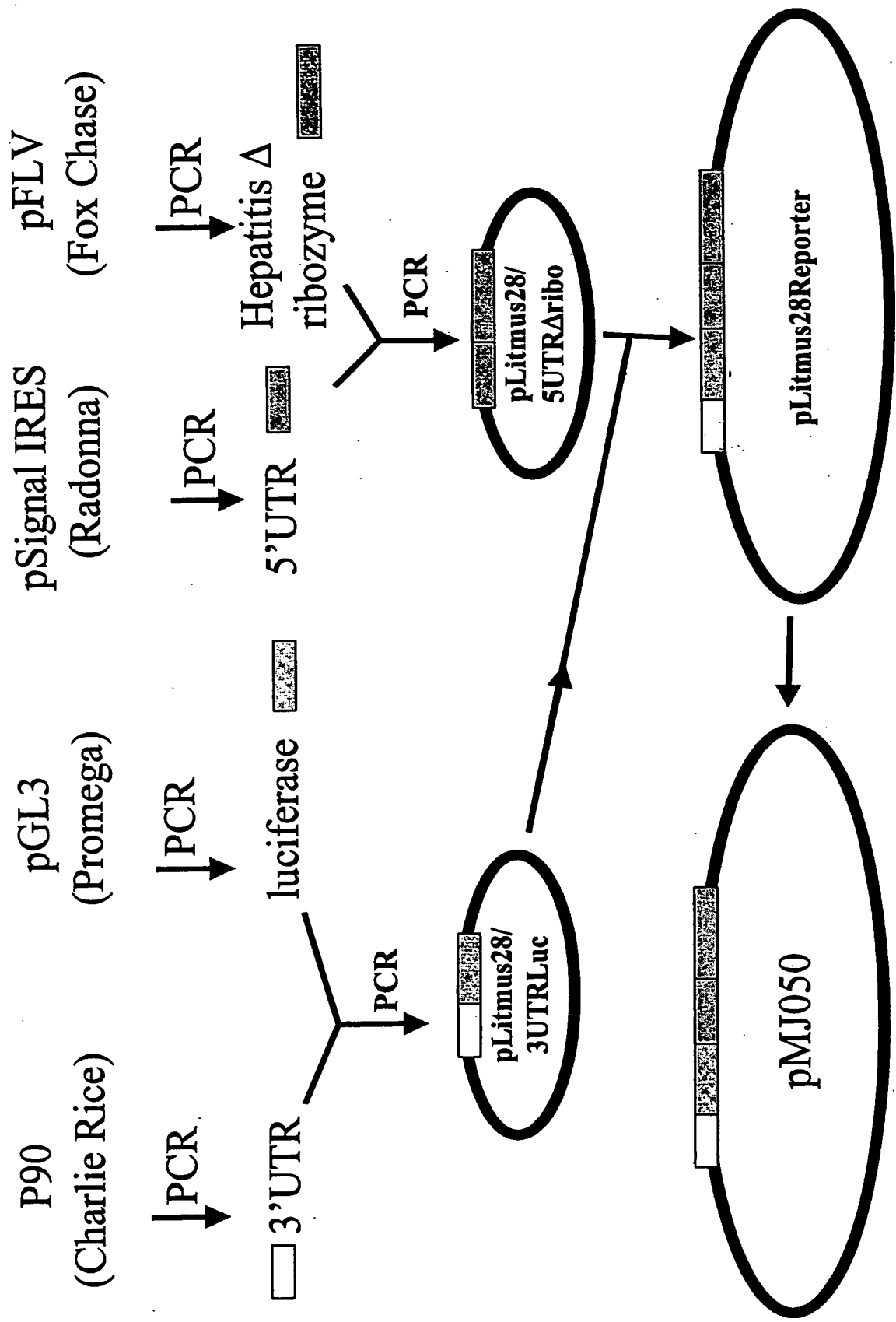


Figure 2
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Nucleotide Sequence of pMJ050

SV40 promoter sequence

3'UTR sequence (antisense)

Numbers before and after each individual sequence refers to the base number in plasmid, pMJ050. To assemble the nucleotide sequence of pMJ050 as a whole, each individual sequence can be ordered numerically, starting with the SV40 promoter sequence.

Luciferase sequence (antisense)

5'UTR sequence (antisense)

2285...
cccaagggccttttgcgacccaacactatcctggcttagcgctcttgcgggggacgcccgaatattcaggggtatccaggagggaaacccccctggctcgttc
ctggcaattccgggttatcatcacccgggttcgcagacacattggctctccgggaggggggggtctctggagggcttgacacactatactagaagccagtggcttagggagctt
ctctggtagaAgacaggtagttcttcacaggggggttgattcatgggtggaggtgtctgccccccatcagggggggggttgtgc...2674

Hepatitis delta virus ribozyme sequence (sense)

[illegible]

pMJ050 plasmid backbone sequence

[illegible]

Figure 4
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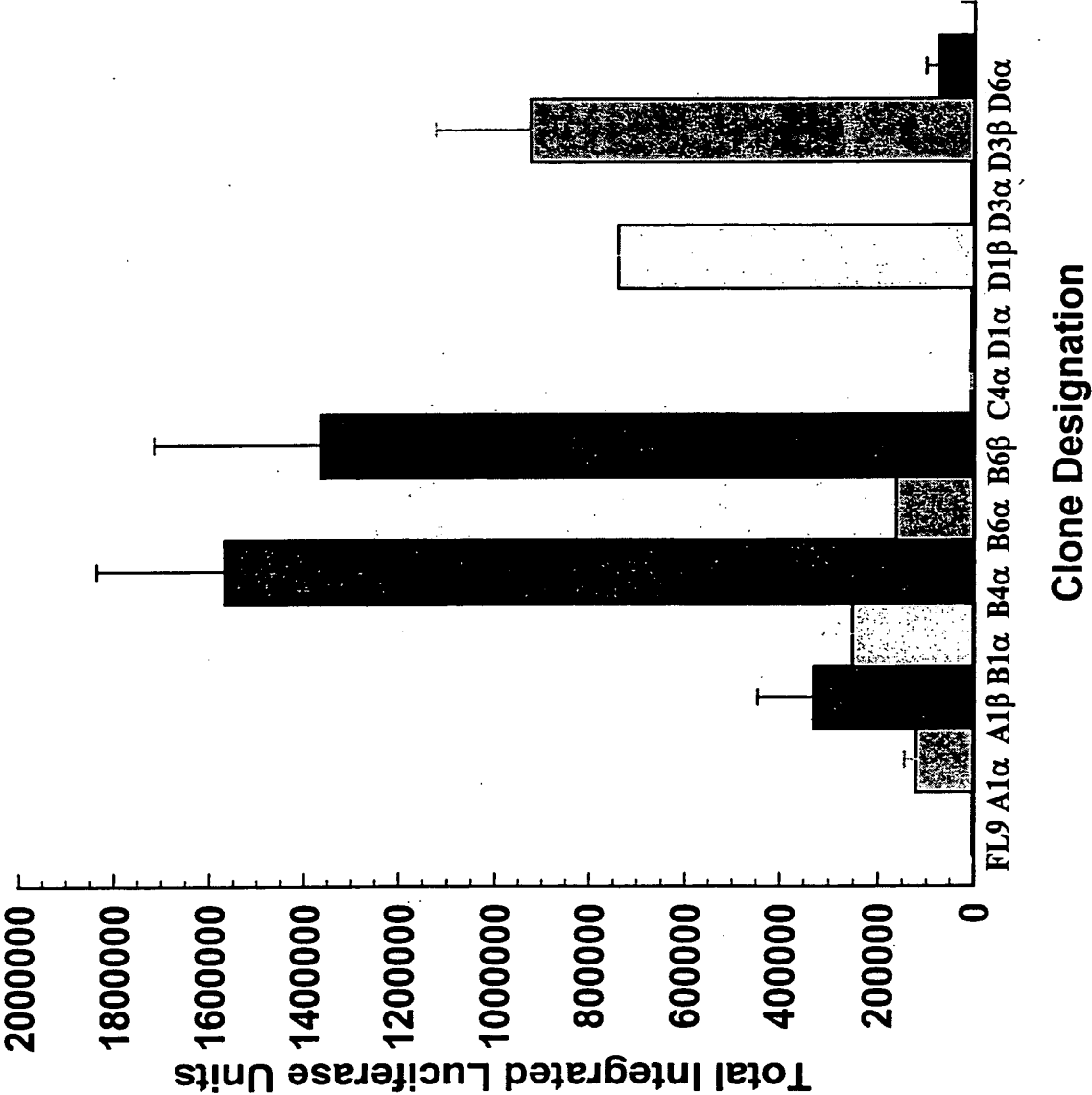
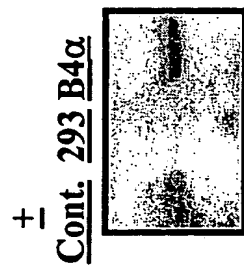
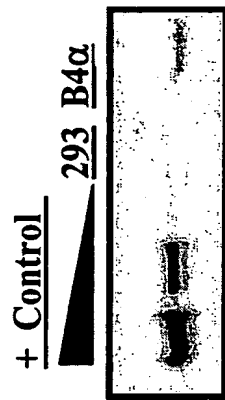


Figure 5
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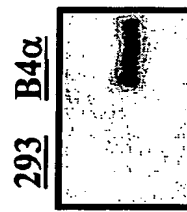
A. NS3 (HCV Serine Protease/Helicase)



B. NS5B (HCV RDRP)



C. HCV Core



D. Firefly Luciferase

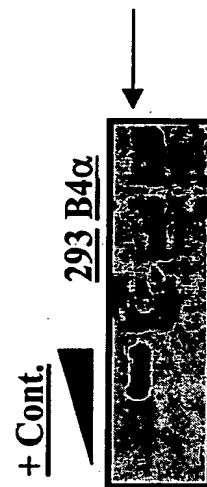


Figure 6
King and Jeffries, PH-7171

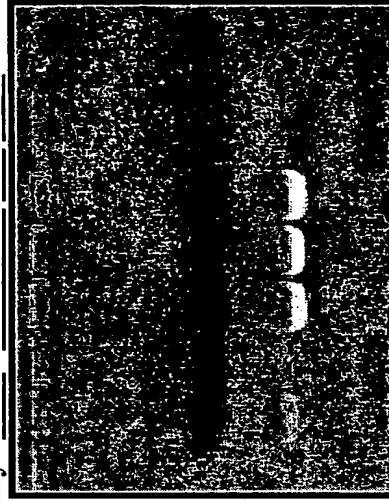
B4α and 293C5 Cell Line RNA

B4α Cell RNA

| B4α Cells | | Luciferase DNA |
|-----------------------|---------------------|----------------|
| RNase treatment | - - + + - - - - | |
| DNase treatment | - - - - + + - - | |
| Reverse transcriptase | + + + + + + - - | |
| Strand polarity* | A C A C A C A C A C | |



| B4α | | Luciferase DNA |
|-----------------|-----------------|----------------|
| HCV genome | + + - - | |
| pMJ050 | + + - - | |
| Strand polarity | A C A C A C A C | |
| 293FL #9 | C5 | |



1000 bp PCR
product from
luciferase gene →

*(C) = coding sequence of luciferase gene,
(A) = antisense sequence of luciferase gene,
(C/A) = single tube RT-PCR; does not differentiate between coding and non-coding strand.